PROJECT DEVELOPMENT PHASE

PROJECT DEVELOPMENT – DELIVERY OF SPRINT-4

Date	15-November-2022
Team ID	PNT2022TMID00911
Project Name	Real-Time Communication System Powered by AI for Specially Abled

IMPORTING FILES

import cv2

import pytesseract

import numpy as np

import os

from PIL import Image

import sys

DEFINING STRING:-

def get_string(img_path):

    # Read image with opencv

    img = cv2.imread(img_path)

    # Convert to gray

    img = cv2.cvtColor(img, cv2.COLOR_BGR2GRAY)

    # Apply dilation and erosion to remove some noise

    kernel = np.ones((1, 1), np.uint😎

    img = cv2.dilate(img, kernel, iterations=1)

```python
    img = cv2.erode(img, kernel, iterations=1)


    # Write the image after apply opencv to do some ...
    cv2.imwrite("thres.png", img)
    # Recognize text with tesseract for python
    result = pytesseract.image_to_string(Image.open("thres.png"))
    os.remove("thres.png")


    return result


if _name_ == '_main_':
    from sys import argv

    if len(argv)<2:
        print("Usage: python image-to-text.py relative-filepath")
    else:
        print('--- Start recognize text from image ---')
        for i in range(1,len(argv)):
            print(argv[i])
            print(get_string(argv[i]))
            print()
            print()

        print('------ Done -------')
```

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